

Harding Lawson Associates

May 15, 1998

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Integrated Environmental Services, Inc.

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followed during the site investigation. HLA will provide a photoionization detector (PID) to monitor volatile organic compound (VOC) vapors from the soil samples using the headspace method for the borings at Buildings 14 and 15. As stated in the SAP, composite soil sampling will not be necessary for the building areas designated in AOI 4.

It is anticipated that most surfaces within Parcel B are unpaved and, as such, can be easily penetrated by direct push technology. We understand, however, that the Building 11 area contains concrete foundations that will require coring prior to drilling. We have included concrete coring costs for 13 borings in the Building 11 area and understand that three concrete core samples will be analyzed for polychlorinated biphenyls (PCBs) as outlined in the amended scope of work.

It is anticipated that HLA can complete the 24 borings at Buildings 11, 14, and 15 in 3 field days unless unforeseen geologic or subsurface conditions prevent sample collection as required by the SAP. If these conditions prevent sample collection and require additional drilling and/or larger drilling equipment, additional costs associated with HLA field geologist(s) and a drilling contractor will be incurred. The investigation of Building 4 (9 borings to a depth of 10 feet bgs) will be undertaken by a separate mobilization at a later date after the building has been demolished.

It is our understanding that IESI is arranging and contracting all laboratory analytical services; therefore, we have not included laboratory analytical costs in our proposal. We will provide stainless steel tubes for sample containment and shipping coolers for transport to the laboratory. HLA will pack the samples at the end of each working day. We have assumed that transportation to the laboratory will be arranged by IESI and therefore have not included shipping costs in the proposal.

Task 3.0 Investigation-Derived Waste Management

As mentioned, an advantage of the proposed direct push sampling technology is that it generates little or no soil cuttings. The small volume of decontamination water and/or soil cuttings generated during the investigation will be contained in 55-gallon drums. This waste will require additional sampling to determine whether it is hazardous. If the waste is determined to be hazardous, the waste should be profiled and disposed. HLA has not included costs to perform the profiling in our proposal nor costs for sampling, disposal, or transportation of the waste.

Task 4.0 Land Surveying

HLA will contract Tait & Associates to survey the sample locations. Our budget includes the cost for a geologist to stake and label the boring locations prior to Tait & Associates' survey.

Task 5.0 Document Preparation

Within 1 week after the completion of field activities, HLA will provide BRC and/or IESI the following:

- A report describing the site geology observed during the investigation